

MOST

Media Oriented Systems Transport

Multimedia and Control
Networking Technology

MOST Specification Of Physical Layer

Rev 1.0

02/2001

Version 1.0-00



3 Device Connection

3.1 Connector Interfaces

Table 3-1 summarizes the five specified hybrid connector interfaces.

Please note:

The optical contacts located at SP2 and SP3 are combined in a single duplex connector.

"Nick name"	Number of optical contacts [ø=1.0 mm]	Number of electrical contacts		
		PIN = 0.63 mm	PIN = 1.5 mm	PIN = 2.8 mm
2+0	2	-	-	-
2+4	2	4	-	-
2+12	2	12	-	-
2+20	2	18	2	-
4+40	2 x 2	2 x 12	-	2 x 8

Table 3-1: Connector family.

Table 3-2 indicates the drawing codes and the file names of the specified connector interfaces.

"nick name"	Drawing code	TIFF File	Drawing Date
2+0	MOST-CON-2-0	MOST-CON-2-0.TIF	6.02.2001
2+4	MOST-CON-2-4	MOST-CON-2-4.TIF	6.02.2001
2+12	MOST-CON-2-12	MOST-CON-2-12.TIF	6.02.2001
2+20	MOST-CON-2-20	MOST-CON-2-20.TIF	6.02.2001
4+40	MOST-CON-4-40	MOST-CON-4-40.TIF	6.02.2001
Fiber Module Interface	MOST-FM-I	MOST-FM-I.TIF	6.02.2001
Test Connector	MOST-CON-T	MOST-CON-T.TIF	6.02.2001
LWL Collar	MOST-FM-C	MOST-FM-C.TIF	6.02.2001
		TIFF Files available on www.mostcooperation.com	

Table 3-2: Drawing codes and file names of connector interfaces.

3.2 Connector Interface Loss

Figure 3-1 shows details of the connector insertion loss D_{con} between devices and cabling:

- The attenuation of optical power may not exceed $D_{2conmax} = 2.5$ dB, when optical signal transits from SP2 into the cabling fiber.
- The attenuation of optical power may not exceed $D_{3conmax} = 2.5$ dB, when optical signal transits from the cabling fiber into SP3.

Please note:

The maximum connector attenuation is a part of the "MOST Specification of Physical Layer".

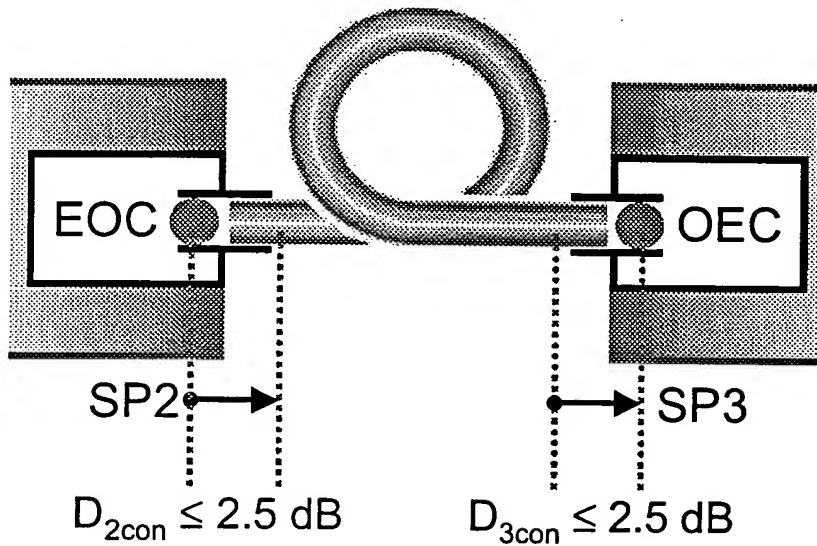


Figure 3-1: Connector Insertion Loss.

